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May 8, 2007

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Commissioner for Patents  
PO Box 1450  
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**Art Unit 2616**

**Attn: Mail Stop Amendment**

Re: U.S. Amendment Patent Application  
Application No. 10/695,458; Filed: October 29, 2003  
For: **Cross Link Multiplexer Bus**  
Inventors: Amirichimeh *et al.*  
Our Ref: 1875.3640002/JTH/TAD

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Second Preliminary Amendment Under 37 C.F.R. § 1.115;
2. Information Disclosure Statement;
3. Form PTO/SB/08A listing seven (7) documents (US1-US7);
4. Form PTO/SB/08B listing ten (10) documents (NPL1-NPL10); and
5. Copies of the cited Non Patent Literature documents (NPL1-NPL10).

*The above-listed documents are filed electronically through EFS-Web.*


In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents  
May 8, 2007  
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

  
Timothy A. Doyle  
Attorney for Applicants  
Registration No. 51,262

TAD/krb  
Enclosures

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Amirichimeh *et al.*

Appl. No.: 10/695,458

Filed: October 29, 2003

For: **Cross Link Multiplexer Bus**

Confirmation No.: 4577

Art Unit: 2616

Examiner: Jain, Raj K.

Atty. Docket: 1875.3640002/JTH/TAD

**Information Disclosure Statement**

***Mail Stop Amendment***

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

Listed on accompanying IDS Forms are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached IDS Forms based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may

not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Applicants have checked the appropriate boxes below.

- ☐ 1. Statement under 37 C.F.R. 1.704(d). Each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this information disclosure statement.
- ☒ 2. Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No statement or fee is required.
- ☐ 3. Filing under 37 C.F.R. § 1.97(c). This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.

- ☐ a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
- ☐ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- ☐ c. Attached is our PTO-2038 Credit Card Payment Form in the amount of \$\_\_\_\_\_ in payment of the fee under 37 C.F.R. § 1.17(p).
- ☐ 4. Filing under 37 C.F.R. § 1.97(d) This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Enclosed find our PTO-2038 Credit Card Payment Form in the amount of \$\_\_\_\_\_ in payment of the fee under 37 C.F.R. § 1.17(p); in addition:
- ☐ a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure

Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

- ☐ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- ☒ 5. Document US1 was cited in a search report in a counterpart PCT application. A copy of the search report is being cited as document NPL1 for the convenience of the Examiner.
- ☐ 6. A concise explanation of the relevance of the non-English language document(s) appears below in accordance with 37 C.F.R. § 1.98(a)(3).
- ☒ 7. Copies of documents NPL1-NPL10 are submitted. However, in accordance with 37 C.F.R. § 1.98(a)(2), no copies of U.S. patents cited on the attached IDS Forms are submitted.
- ☐ 8. Copies of the documents were cited by or submitted to the Office in an IDS that complies with 37 C.F.R. § 1.98(a)-(c) in Application No. \_\_\_\_\_, filed

\_\_\_\_\_, which is relied upon for an earlier filing date under 35 U.S.C.

§ 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

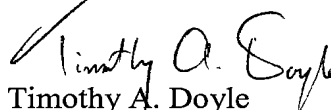
- ☐ 9. It is expected that the examiner will review the prosecution and cited art in the parent application no(s). \_\_\_\_\_ in accordance with MPEP 2001.06(b), and indicate in the next communication from the office that the art cited in the earlier prosecution history has been reviewed in connection with the present application.

It is respectfully requested that the Examiner initial and return a copy of the enclosed IDS Forms, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Timothy A. Doyle  
Attorney for Applicants  
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Date: May 8, 2007

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/695,458
				Filing Date	October 29, 2003
				First Named Inventor	Abbas Amirichimeh
				Art Unit	2616
				Examiner Name	Jain, Raj K.
Sheet	1	of	1	Attorney Docket Number	1875.3640002/JTH/TAD

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (If Known)			
	US1	4,833,605	05-23-1989	Terada et al.	
	US2	4,833,695	05-23-1989	Greub	
	US3	6,259,693 B1	07-10-2001	Ganmukhi et al.	
	US4	6,317,804 B1	11-13-2001	Levy et al.	
	US5	6,483,849 B1	11-19-2002	Bray et al.	
	US6	7,032,139 B1	04-18-2006	Iryami et al.	
	US7	7,035,228 B2	04-25-2006	Baumer	
	US8				
	US9				
	US10				
	US11				
	US12				
	US13				
	US14				
	US15				
	US16				
	US17				
	US18				
	US19				
	US20				

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	FP1					
	FP2					
	FP3					
	FP4					
	FP5					
	FP6					
	FP7					
	FP8					
	FP9					

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Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)				Application Number	10/695,458
				Filing Date	October 29, 2003
				First Named Inventor	Abbas Amirichimeh
				Art Unit	2616
				Examiner Name	Jain, Raj K.
Sheet	1	of	1	Attorney Docket Number	1875.3640002/JTH/TAD

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	NPL1	International Search Report issued December 14, 2004, for International Application No. PCT/US003/34234, 5 pages.	
	NPL2	Alaska Quad-Port Gigabit Ethernet Over Copper Transceivers, from <a href="http://www.marvell.com/products/transceivers/quadport/...">http://www.marvell.com/products/transceivers/quadport/...</a> , 1 page, printed May 8, 2007.	
	NPL3	Alaska X10 Gigabit Ethernet Alaska Gigabit Ethernet Fast Ethernet Physical Layer (PHY) Transceiver Families Provide a Full Range of Ethernet Transceiver Solutions for the Broadband Communications Industry, from <a href="http://www.nuhorizons.com/FeaturedProducts/Volume3/Marvell/phy_transceiver.asp">http://www.nuhorizons.com/FeaturedProducts/Volume3/Marvell/phy_transceiver.asp</a> , 4 pages, Copyright 2007, printed May 8, 2007.	
	NPL4	Cisco Search: Results for "cdl" within "News@Cisco", from <a href="http://www.cisco.com/pcgi-bin/search/search.pl">http://www.cisco.com/pcgi-bin/search/search.pl</a> , Copyright 1992-2003, printed July 29, 2003.	
	NPL5	Industry Breakthrough: Marvell Announces the First Quad-Port Transceiver to Support Both Copper and Fiber-Optic Gigabit Ethernet Interfaces, from Business Wire at <a href="http://www.encyclopedia.com/printable.aspx?id=1G1:68912211">www.encyclopedia.com/printable.aspx?id=1G1:68912211</a> , 4 pages, January 9, 2001, printed May 8, 2007.	
	NPL6	David Maliniak (ed.), Bel's integrated connector modules support Marvell's Alaska quad Gigabit Ethernet transceiver, from <a href="http://www.electronicweb.com/Content/news/...">http://www.electronicweb.com/Content/news/...</a> , 1 page, December 14, 2000, printed May 8, 2007.	
	NPL7	Marvell Gets Small, from <a href="http://www.lightreading.com/document.asp?doc_id=12004&amp;print=true">http://www.lightreading.com/document.asp?doc_id=12004&amp;print=true</a> , 1 page, February 19, 2002, printed May 8, 2007.	
	NPL8	Marvell Introduces the Industry's Smallest Quad-Port Gigabit Transceiver Device, Enabling Ultra High Port Density Enterprise Switching Systems, from <a href="http://www.marvell.com/press/press_NewsDisplay.do?releaseID=41">http://www.marvell.com/press/press_NewsDisplay.do?releaseID=41</a> , 3 pages, February 19, 2002, printed May 8, 2007.	
	NPL9	Q&A: Hiroshi Suzuki on Extending Ethernet Beyond the LAN, from <a href="http://newsroom.cisco.com/dlls/innovators/optical/hiroshi_suzuki_qa.html">http://newsroom.cisco.com/dlls/innovators/optical/hiroshi_suzuki_qa.html</a> , 3 pages, Copyright 1992-2003, printed July 29, 2003.	
	NPL10	Ed Turner and David Law, IEEE P802.3ae MDC/MDIO, from <a href="http://www.ieee802.org/3/efm/public/sep01/turner_1_0901.pdf">http://www.ieee802.org/3/efm/public/sep01/turner_1_0901.pdf</a> , 21 pages, Sept. 17-19, 2001.	

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Examiner Signature	Date Considered
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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